CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17

Date: 13.06.2016

Aggregate Impact Value
IS: 2386 Part IV

Client	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of the Work	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Type of Mix	Wet Mix macadam
Date of Testing	13.06.2016

Sl No.	Details	Trial No. 1	2	3	Average
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	382	380	378	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	84	86	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	296	296	292	
4	Aggregate Impact value = percent fines $100^* (W_2/W_1)\%$	22.51	22.11	22.75	**22.46**

Comments:

→ Maximum allowable Aggregate Impact value for Wet mix Macadam is 30%

AE-06
n/a
13/6

Note:

→ This test report should not be reproduced except in full, without written approval of the laboratory
→ The results indicated above are based on the tests carried out on the samples received in the laboratory
→ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
AE

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 Date : 13.06.2016

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri.Naveen Chandra,** Contractor, Bangalore.

Name of Work : Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016

Date of Testing : 13.06.2016

Material Type : Wet Mix Macadam

Oven Dry.Wt 12060

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	482	482	4.0	96.0	95-100
22.4	4120	4602	38.2	61.8	60-80
11.2	2432	7034	58.3	41.7	40-60
4.75	1598	8632	71.6	28.4	25-40
2.36	1254	9886	82.0	18.0	15-30
0.600	1132	11018	91.4	8.6	8-22
0.075	712	11730	97.3	2.7	0-8

AE-ok

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 Date : 13.06.2016

ATTERBERG LIMITS TEST FOR WMM
MORTH TABLE-400-11

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri.Naveen Chandra,** Contractor, Bangalore.

Name of Work : Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016

Date of Testing : 13.06.2016

Material Type : Wet Mix Macadam

As per MORTH Table 400-13

Sl. No.	Particulars	Test Results	Standards as per Specifications
1	Liquid Limit	22.50	-
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
AE

CIVIL EXPERTS CONSULTANTS AND TESTING CENTER

JobNo: CECTC-NC-W.No.06-2016-17 Date : 13.06.2016

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri.Naveen Chandra,** Contractor, Bangalore.

Name of Work : Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016

Technical Reference : IS 2386(Part 1) 1963 (RA 2007) and MORTH 5th Revision

Type of Mix : Wet Mix Macadam

Date of Testing : 13.06.2016

Passing through IS Sieve, mm	Retained On IS Sieve, mm	Weight of Sieved Fraction (W) gms		Proportion of Size range in the sample, X = 100xW/ΣW		Weight of 200 pieces of aggregates of the range, (P) in gms		Thickness gauge size, mm	Weight of flaky particles (F)in gms		Weight of fraction consisting of at least 200 Pieces in gms		Length gauge size in mm	Weight of aggregates in fraction retained Length gauge in	
63.00	50.00	W1		X1		P1		33.90	F1		P1		-	E1	
50.00	40.00	W2	3752	X2	23.62	P2	1985	27.00	F2	322	P2	1985	81.00	E2	2
40.00	31.50	W3	2563	X3	16.14	P3	1520	21.50	F3	198	P3	1520	58.00	E3	1
31.50	25.00	W4	2410	X4	15.17	P4	1232	16.95	F4	185	P4	-	-	E4	
25.00	20.00	W5	2265	X5	14.26	P5	1141	13.50	F5	142	P5	1141	40.50	E5	1
20.00	16.00	W6	1965	X6	12.37	P6	1063	10.80	F6	120	P6	1063	32.40	E6	9
16.00	12.50	W7	1452	X7	9.14	P7	965	8.55	F7	95	P7	965	25.50	E7	6
12.50	10.00	W8	963	X8	6.06	P8	654	6.75	F8	81	P8	654	20.20	E8	5
10.00	6.30	W9	512	X9	3.22	P9	312	4.89	F9	71	P9	312	14.70	E9	3
		Σ W	**15882.0**			**ΣP**	**8872.0**		**ΣF**	**1214.0**	**ΣP**	**7640.0**		**ΣE**	**75**

Result : Flakiness Index = **13.68%**

Elongation Index = **9.86%**

Result : Combined Flakiness & Elongation index 23.54%

Comments: → Maximum Combined flakiness and Elongation indices value for Wet mix Macadam is 35%.

For Civil Expert

Authorised Signature

Note:

→ The results indicated above are based on the tests carried out on the samples received in the laboratory.

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17

Date: 17.06.2016

TEST REPORT

Client	:	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	:	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of the work	:	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	:	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Source of location	:	Hot mix Plant, Bangalore
Date of testing	:	17.06.2016

The results of the tests conducted on the bitumen sample using for Bituminous Concrete

Sl. No	Description	Test Result	Requirement as per IS:73:2013
1	Penetration at 25 ^{0}C, 1/10 mm	65	60 to 70
2	Softening point, ^{0}C	47	Min. 45
3	Ductility at 27^{0}C, cm	100 >	Min. 50
4	Flash Point, ^{0}C	296	Min. 220

AE-06
n/a

Note:

⇒ This test report shall not be reproduced except in full, without written approval of the laboratory.
⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 Date: 17.06.2016

Aggregate Impact Value

IS: 2386 Part IV

Client	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of the Work	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Source / Location	Hot Mix Plant, Bangalore
Type of Mix	Bituminous Concrete
Date of Testing	17.06.2016

Sl No.	Details	Trial No.		Average
		1	2	
1	Total weight of aggregate sample filling the cylindrical measure = W_1 g	378	385	
2	Weight of agregate passing 2.36 mm sieve after the test = W_2 g	86	82	
3	Weight of aggregate retained 2.36 mm sieve after the test = W_3 g	292	303	
4	Aggregate Impact value = percent fines 100* (W_2/W_1) percent	22.75	21.30	**22.03**

AE-06 n/a

Comments:

→ Maximum allowable Aggregate Impact value for Bituminous Concrete is 24%

Note:

⇒ This test report should not be reproduced except in full, without written approval of the laboratory

⇒ The results indicated above are based on the tests carried out on the samples received in the laborat

⇒ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
AE

CIVIL EXPERTS CONSULTANTS AND TESTING CENTER

Job No.: CECTC-NC-W.No.06-2016-17 Date : 17.06.2016

DETERMINATION OF FLAKINESS INDEX & ELONGATION INDEX OF COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.

Agency : **Sri.Naveen Chandra,** Contractor, Bangalore.

Name of Work : Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.

Reference : BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016

Technical Reference : IS 2386(Part 1) 1963 (RA 2007)

Type of Mix : Bituminous Concrete

Date of Testing : 17.06.2016

Passing through IS Sieve, mm	Retained On IS Sieve, mm	Weight of Sieved Fraction (W) gms		Proportion of Size range in the sample, X = 100xW/ΣW		Weight of 200 pieces of aggregates of the range, (P) in gms		Thickness gauge size, mm	Weight of flaky particles (F)in gms		Percentage by Weight of flaky aggregates in gms Y= 100xF/P	Weighed Percentage of flaky aggregates in gms XY=X × Y	Weight of fraction consisting of at least 200 Pieces in gms		Length gauge size in mm	Weight of aggregates in each fraction retained on Length gauge in gms	
63.00	50.00	W1		X1		P1		33.90	F1				P1		-	E1	
50.00	40.00	W2		X2		P2		27.00	F2				P2		81.00	E2	
40.00	31.50	W3		X3		P3		21.50	F3				P3		64.40	E3	
31.50	25.00	W4		X4		P4		16.95	F4				P4	-	-	E4	-
25.00	20.00	W5		X5		P5		13.50	F5				P5			E5	
20.00	16.00	W6	1754	X6	39.23	P6	1152	10.80	F6	189	16.41	643.63	P6	1152.0	32.40	E6	152
16.00	12.50	W7	1420	X7	31.76	P7	1022	8.55	F7	136	13.31	422.64	P7	1022.0	25.60	E7	98
12.50	10.00	W8	865	X8	19.35	P8	652	6.75	F8	98	15.03	290.80	P8	652.0	20.20	E8	71
10.00	6.30	W9	432	X9	9.66	P9	352	4.89	F9	71	20.17	194.89	P9	352.0	14.70	E9	32
		Σ W	**4471.0**								**ΣXY**	**1551.96**	**ΣP**	**3178.0**		**ΣE**	**353.0**

Result : Flakiness Index = **15.52%**

Elongation Index = **11.11%**

Result : Combined Flakiness & Elongation index **26.63%**

Comments: Maximum Allowable Combined flakiness and Elongation indices 35%

Note:

→ The results indicated above are based on the tests carried out on the samples received in the laboratory.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ AE

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 17.06.2016

Specific Gravity And Water Absorption Test
IS: 2386 Part III

Client	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of the Work	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Type of Mix	Bituminous Concrete
Date of Testing	17.06.2016

Sl. No.	Details	Notation	Test Number			Mean Value
			Test 1	Test 2	Test 3	
1	Weight of aggregate suspended in water with the basket	W_1 g	2025	2022	2020	
2	Weight of basket suspended in water	W_2 g	755	755	755	
3	Weight of saturated aggregate in water	$(W_1 - W_2) = W_s$ g	1270	1267	1265	
4	Weight of saturated surface dry aggregate in air	W_3 g	2016	2018	2016	
5	Weight of water equal to the volume of the aggregate	$(W_3 - W_S)$ g	746	751	751	
6	Weight of oven dried aggregate	W_4 g	2005	2006	2007	
7	Specific Gravity	$W_4/(W_3-W_S)$	2.688	2.671	2.672	2.677
8	Apparent Specific gravity	$W_4/(W_4-W_S)$	2.728	2.714	2.705	2.716
9	Water Absorption	$((W_3-W_4)*100)/W_4$	0.55%	0.60%	0.45%	0.53%

Comments:
→ Maximum allowable Aggregate Water absorption value for Bituminous Concrete is 2.0%

Note:
⇒ This test report should not be reproduced except in full, without written approval of the laboratory
⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory
⇒ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ

Authorised Signature

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 18.06.2016

Aggregate Gradation Test
IS : 2386 Part I

Client	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP,
Agency	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of theWork	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Sample I / D	Hot Mix Plant, Bangalore
Type of Mix	Bituminous Concrete
Date of Testing	18.06.2016

Total Weight of Sample: **5270** gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	JOBMIX Gradation as per MORTH	Remarks
19	0	0	0	100	100	Gradation satisfies Bituminous concrete Grade-II specification as per MORTH
13.2	482	9.15	9.15	90.85	79 - 100	
9.5	536	10.17	19.32	80.68	70 - 88	
4.75	641	12.16	31.48	68.52	53 - 71	
2.36	623	11.82	43.30	56.70	42 - 58	
1.18	518	9.83	53.13	46.87	34 - 48	
0.600	612	11.61	64.74	35.26	26 - 38	
0.300	754	14.31	79.05	20.95	18 - 28	
0.150	398	7.55	86.60	13.40	12 - 20	
0.075	400	7.59	94.19	5.81	4 - 10	

Total Weight of Sample: **5250** gm

SIEVE SIZE, mm	Weight Retained, gm	% Retained	Cummulative % Retained	% Passing	JOBMIX Gradation as per MORTH	Remarks
19	0	0	0	100	100	Gradation satisfies Bituminous concrete Grade-II specification as per MORTH
13.2	625	11.90	11.90	88.10	79 - 100	
9.5	498	9.49	21.39	78.61	70 - 88	
4.75	610	11.62	33.01	66.99	53 - 71	
2.36	536	10.21	43.22	56.78	42 - 58	
1.18	612	11.66	54.88	45.12	34 - 48	
0.600	598	11.39	66.27	33.73	26 - 38	
0.300	496	9.45	75.71	24.29	18 - 28	
0.150	612	11.66	87.37	12.63	12 - 20	
0.075	452	8.61	95.98	4.02	4 - 10	

For Civil Expert

Authorised Signature

Note:

⇒ This test report should not be reproduced except in full, without written approval of the laboratory

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-NC-W.No.06-2016-17 Date: 18.06.2016

TEST REPORT ON STABILITY OF MIX

Client	:	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
Agency	:	**Sri.Naveen Chandra,** Contractor, Bangalore.
Name of the Work	:	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
Reference	:	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
Source of location	:	Hot mix Plant, Bangalore
Type of Mix	:	Bituminous Concrete
Date of Testing	:	18.06.2016

The results of the tests conducted on the bituminous concrete mix sample are as follows

Sl. No	Description	Test Result 1	Test Result 2	Requirement as per MORTH (Table 500-19)
1	Marshal Stability, Kn	9.32	9.54	9 Kn (min)
2	Marshal flow, mm	3.87	2.98	2 – 4
3	Percent air voids in Mineral Aggregate	13.41	14.87	13 – 15
4	Voids in Compacted Mix	3.11	3.20	3 – 6
5	Percent Voids filled with Bitumen	72.65	71.52	65 - 75
6	Density, g/cc	2.26	2.27	--

Note:

⇒ This test report shall not be reproduced except in full, without written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 90 days from the date of testing.

For Civil Expert

Authorised Signature

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ AE

CIVIL XPERTS
ISO 9001:2008
CONSULTANTS & TESTING CENTER

174, Sri Ranga Complex
Amrutha Nagar Main Road
New Bank Colony, Konanakunte
Bangalore - 560 062.
Mobile : +91 97429 59595
Tele/Fax : 080-2632 2565
E-mail : civilexpertsltd@gmail.com
URL : www.civilexperts.in

NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No: CECTC-NC-W.No.06-2016-17 Date 18.06.2016

BITUMEN CONTENT AND GRADATION DETERMINATION OF BITUMINOUS CONCRETE AASHTO T 164 & AASHTO T 30

CLIENT	**Assistant Executive Engineer,** Byatarayanapura Sub Division, BBMP, Bangalore.
AGENCY	**Sri.Naveen Chandra,** Contractor, Bangalore.
NAME OF THE WORK	Pot hole filling and Road Patch Work in Dasarahalli Surrounding Area in Ward No06 Byatarayanapura Sub Division, BBMP, Bangalore.
REFERENCE	BBMP/EE/BTP/WO/46/2016-17 Dated:27.05.2016
SAMPLE I/D	Sample Supplied by Agency
DATE OF TESTING	18.06.2016

BITUMEN CONTENT DETERMINATION

Description	Sample 1	Sample 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	470	469
3. Weight of Asphalt and Mineral matter Extracted, g	30	31
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g	-	-
6. Weight of Bitumen Extracted, g. (corrected)	30	31
7. Bitumen content in %	6.00	6.20
8. Average	6.10	

GRADATION AFTER EXTRACTION

TABLE - 1

Sieve size in mm	Percent Passing, %		Specified Limits as per MORTH specification table 500-18 (Grading-2)
	Sample 1	Sample 2	
19	100.00	100.00	100
13.2	92.30	91.80	90-100
9.5	83.20	82.30	70-88
4.75	65.40	66.40	53-71
2.36	45.30	44.20	42-58
1.18	42.10	45.30	34-48
0.6	35.20	34.20	26-38
0.3	25.60	26.41	18-28
0.15	18.40	17.22	12-20
0.075	4.98	4.25	4-10

Note:

⇒ This test report should not be reproduced except in full, without written approval of the laboratory

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory

⇒ Any Query regarding the report must be reported within 90 days from the date of testing

For Civil Expert

Authorised Signature